

BUILDING CODE STUDY DATA

DESIGN PHASE: ☐ SD ☐ DD ☐ CD DATE: _____

1) PROJECT: _____ PROJECT NO.: _____

FACILITY: _____

2) APPLICABLE CODES:

- | | | |
|----|------------------------------------|--------------------------------|
| A) | Building Code: | IBC - 2006 |
| B) | Fire Code: | NFPA - 2006 |
| C) | International Mechanical Code: | IMC - 2006 |
| D) | National Standard Plumbing Code: | NSPC - 2003 |
| E) | National Electric Code: | NEC - 2005 |
| F) | ASHRAE | (Latest) |
| G) | Elevator and Escalator Safety Code | ASME A17.1 2000 (with addenda) |

3) BUILDING USE, CONSTRUCTION CLASSIFICATIONS AND HEIGHT

	<u>IBC</u>	<u>NFPA</u>
Use Group (Sect. 302) _____ :	_____	_____
Special Use and Occupancy __ (Chapter 4) :	_____	_____
Incidental Use Areas _____ (Table 508.2) :	_____	_____
Proposed Type of Construction (Table 503) :	_____	_____
Building Height Allowable ___ (Table 503) :	_____	_____
Additional Credit for		
Fully Sprinklered Bldg. _____ (Sec. 504.2) :	_____	_____
Actual Building Height _____ :	_____	_____
Number of Stories _____ (Table 503) :	_____	_____

4) BUILDING AREAS:

BUILDING ACTUAL GROSS AREAS :

First Floor	:	_____
Second Floor	:	_____
Third Floor	:	_____
Mech. Penthouse	:	_____
Total (GSF)	:	_____

MAXIMUM ALLOWABLE AREAS:

Per IBC : _____ + _____
Table 503 (Automatic Sprinkler System Increase - 504.2)

5) OCCUPANCY LOADS:

<u>USE</u>	(IBC) (Table 1004.1.1)	LIFE SAFETY (Table - 7.3.1.2)
_____	_____	_____

6) EGRESS WIDTH:

	(IBC) (Table - 1005.1)	LIFE SAFETY (Table - 7.3.3.1)
Egress Width at Stairs :	_____	_____
Egress Width at Doors :	_____	_____
Egress Width at Corridors :	_____	_____

7) OCCUPANCY LOADS AND EGRESS REQUIREMENTS:

Location (Spaces)	:	_____
Area in Sq. Feet	:	_____
Maximum Floor Area		
Allowance Per Occupant (1004.1.1)	:	_____
Egress Width Req'd. (1005.1)	:	_____
Egress Width Provided (In Inches)	:	_____
Number Exits Required (1019.1)	:	_____
Number Exits Provided	:	_____

8) FIRE PROTECTION SYSTEM REQUIREMENTS:

	IBC	System Req. (Yes/No)	IBC 2006 Reference	NFPA 101-2006 Reference
Automatic Sprinklers (Sec. 903):		_____	_____	_____
Fire Extinguishers (Sec. 904):		_____	_____	_____
Standpipe System (Sec. 905):		_____	_____	_____
Portable Fire Extinguishers (Sec. 906):		_____	_____	_____
Fire alarm System (Sec. 907):		_____	_____	_____
Emergency Alarm System (Sec. 908):		_____	_____	_____
Smoke Control System (Sec. 909):		_____	_____	_____
Smoke and Heat Vents (Sec. 910):		_____	_____	_____
Fire Command Center (Sec. 911):		_____	_____	_____
Fire Dept. Connection (Sec. 912):		_____	_____	_____

9) MAXIMUM DEAD END / DISTANCE:

Use Group	:	_____
IBC - 2006 (1016.3)	:	_____
NFPA - 2006	:	_____

10) INTERIOR FINISH REQUIREMENTS:

	<u>Class</u>	<u>Flame Spread</u>	<u>Smoke Development</u>
IBC - 2006 (Table - 803.5)	: _____	_____	_____
NFPA - 2006 (Chapter 10)	: _____	_____	_____

11) MAXIMUM TRAVEL DISTANCE TO EXIT:

Actual : Show on Life Safety Plan

IBC - 2006
(Table - 1015.1)

NFPA - 2006

Allowable : _____

12) MINIMUM CORRIDOR WIDTH REQUIREMENTS:

Location	Width	IBC - Reference (1017.2)	NFPA - Reference
_____	_____	_____	_____

13) PANIC HARDWARE:

Location	Required	IBC - Reference (1008.1.9)	NFPA - Reference
_____	_____	_____	_____

14) STAIR DATA: (Sec. 1009)

Stair Width	:	_____
Capacity	:	_____
Rated Enclosure	:	_____

15) **BUILDING FIRE RATINGS:**

	IBC - 2006 (601 - 602)	NFPA - 2006 (Chapter - 8)
STRUCTURAL FRAME Including Columns, Girders, Trusses	: _____	_____
EXTERIOR BEARING WALL	: _____	_____
EXTERIOR NON-BEARING WALL	: _____	_____
INTERIOR BEARING WALL	: _____	_____
INTERIOR NON-BEARING WALL	: _____	_____
FLOOR CONSTRUCTION Including Supporting Beams and Joists	: _____	_____
ROOF CONSTRUCTION Including Supporting Beams and Joists	: _____	_____
FIRE WALLS - USE GROUP Protective Opening Rating (Sect. 705 & 715)	: _____	_____
VERTICAL EXIT ENCLOSURE Protective Opening Rating (Sect. 1020)	: _____	_____
SHAFTS AND ELEVATOR HOIST WAYS Protective Opening Rating (Sect. 707.4)	: _____	_____
EXIT ACCESS CORRIDORS Protective Opening Rating (Sect. 1017.1)	: _____	_____
SMOKE BARRIER Protective Opening Rating (Sect. 709)	: _____	_____